

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims

1. (Currently Amended) A computer readable storage medium having a print-control program to acquire print data, that creates intermediate files of the print data, reads the files into a memory, converts the files, and creates actual-data-for-printing, said print control program comprising:

a print data acquisition step to acquire print data of a page;

an intermediate file creation step to divide the acquired print data of a page into parts wherein a file size of each said part is within predetermined bounds, and to create a plurality of intermediate files; and

an actual-data-for-printing creation step to read the plurality of intermediate files into memory for predetermined conversions, and create actual-data-for-printing from the plurality of intermediate files,

wherein said actual-data-for-printing creation step further includes:

creating a record list that makes the plurality of intermediate files correspond to a plurality of target zones into which a page print area is partitioned;

referring to the record list for each said target zone; and

reading the intermediate files corresponding to each said target zone into the memory;

and

creating said actual-data-for-printing for each said target zone.

2. (Previously Presented) A medium having a print-control program according to Claim 1, further comprising a step for setting the predetermined bounds to a file size based on a user-preference setting, wherein at said intermediate file creation step, the acquired print data of a page are divided so as to create said plurality of files within said predetermined bounds set by said user-preference setting.

3. (Previously Presented) A medium having a print-control program according to Claim 1, wherein at said intermediate file creation step, setting said predetermined bounds to a file size depending on free space in the memory.

4. (Previously Presented) A medium having a print-control program according to Claim 1, wherein said actual-data-for-printing creation step reads only one of the plurality of intermediate files into the memory at a time.

5. (Canceled)

6. (Currently Amended) A medium having a print-control program according to ~~claim 1~~ Claim 5, wherein said actual-data-for-printing creation step further comprises:
registering an address having a unit to draw included in an intermediate file, into said record list in such a manner as to make the address connected with one or a plurality of said target zones for all units to draw filed in the intermediate files created;

referencing an address or addresses connected with each said target zone from the record list; and

reading the unit or units to draw stored at the referenced address or addresses into the memory.

7. (Currently Amended) A medium having a print-control program according to claim 1 ~~Claim 5~~, wherein in creating a plurality of intermediate files of divisional bitmap data at said intermediate file creation step, the acquired print data that consists of bitmap data are divided into a plurality of parts of the bitmap data corresponding to said target zones.

8. (Currently Amended) An apparatus for print control which acquires print data, creates intermediate files of print data, reads the files into a memory, converts the file, and creates actual-data-for-printing, said apparatus comprising:

a print data acquisition unit to acquire print data of a page;

an intermediate file creation unit to divide the acquired print data of a page into parts wherein a file size of each said part is within predetermined bounds, and to create a plurality of intermediate files; and

an actual-data-for-printing creation unit to read the plurality of intermediate files into the memory for predetermined conversions that creates actual-data-for-printing from said plurality of intermediate files,

wherein said actual-data-for-printing creation unit further includes:

a record list that makes the plurality of intermediate files correspond to a plurality of target zones into which a page print area is partitioned, so that by referring to the record list for each said target zone and reading the intermediate files corresponding to each said target zone into the memory, said actual-data-for-printing for each said target zone is created.

9. (Currently Amended) A method for print control which acquires print data, creates intermediate files of the print data, reads the files into a memory, converts the files, and creates actual-data-for-printing, said method comprising:

a print data acquisition step to acquire print data of a page;

an intermediate file creation step to divide the acquired print data of a page into parts wherein a file size of each said part is within predetermined bounds, and to create a plurality of intermediate files; and

an actual-data-for-printing creation step to read the plurality of intermediate files into the memory for predetermined conversions that creates actual-data-for-printing from said plurality of intermediate files,

wherein said actual-data-for-printing creation step further includes:

creating a record list that makes the plurality of intermediate files correspond to a plurality of target zones into which a page print area is partitioned;

referring to the record list for each said target zone; and

reading the intermediate files corresponding to each said target zone into the memory;
and

creating said actual-data-for-printing for each said target zone.